**FIG. 1**

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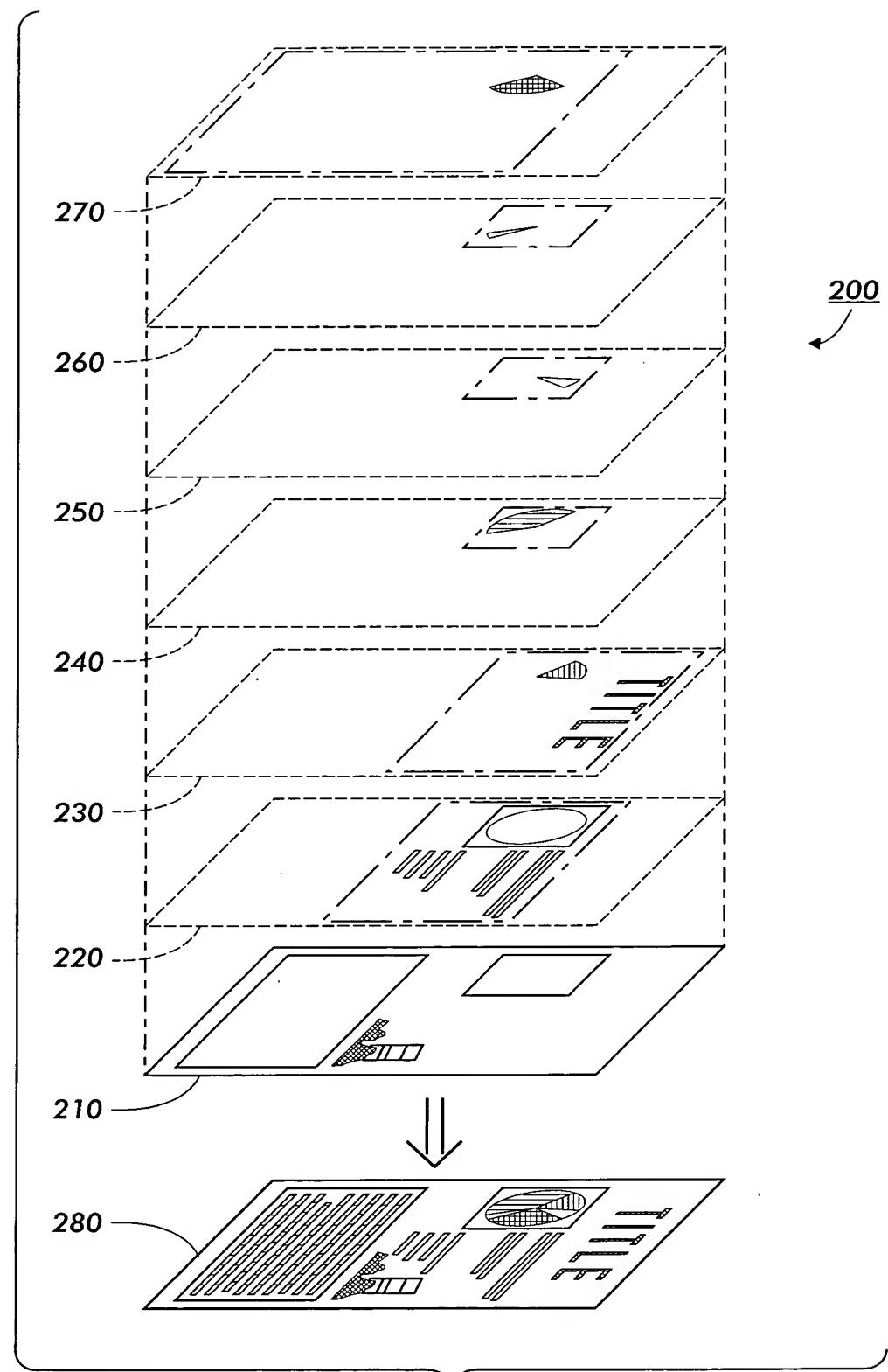


FIG. 2

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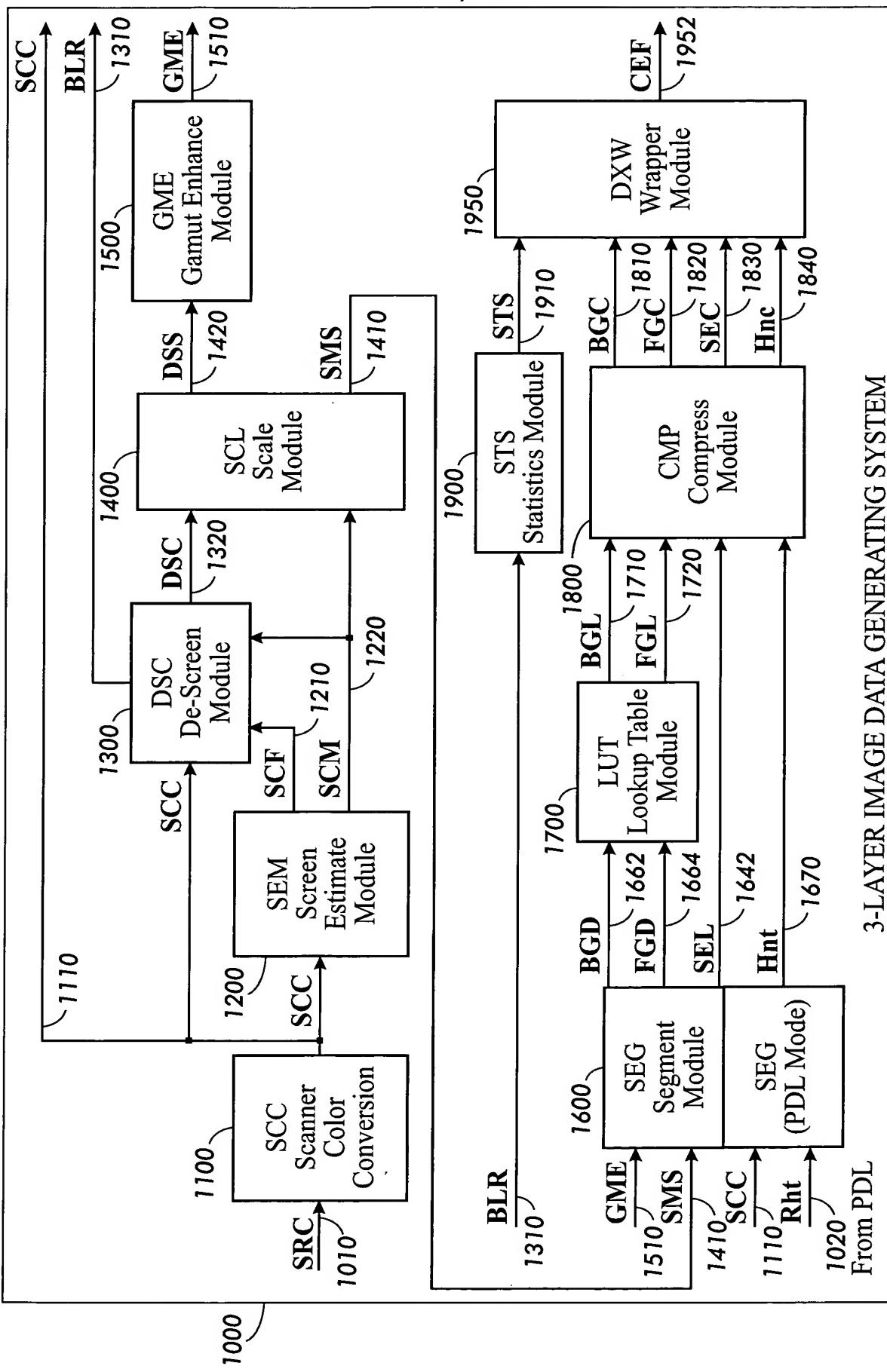


FIG. 3

3-LAYER IMAGE DATA GENERATING SYSTEM

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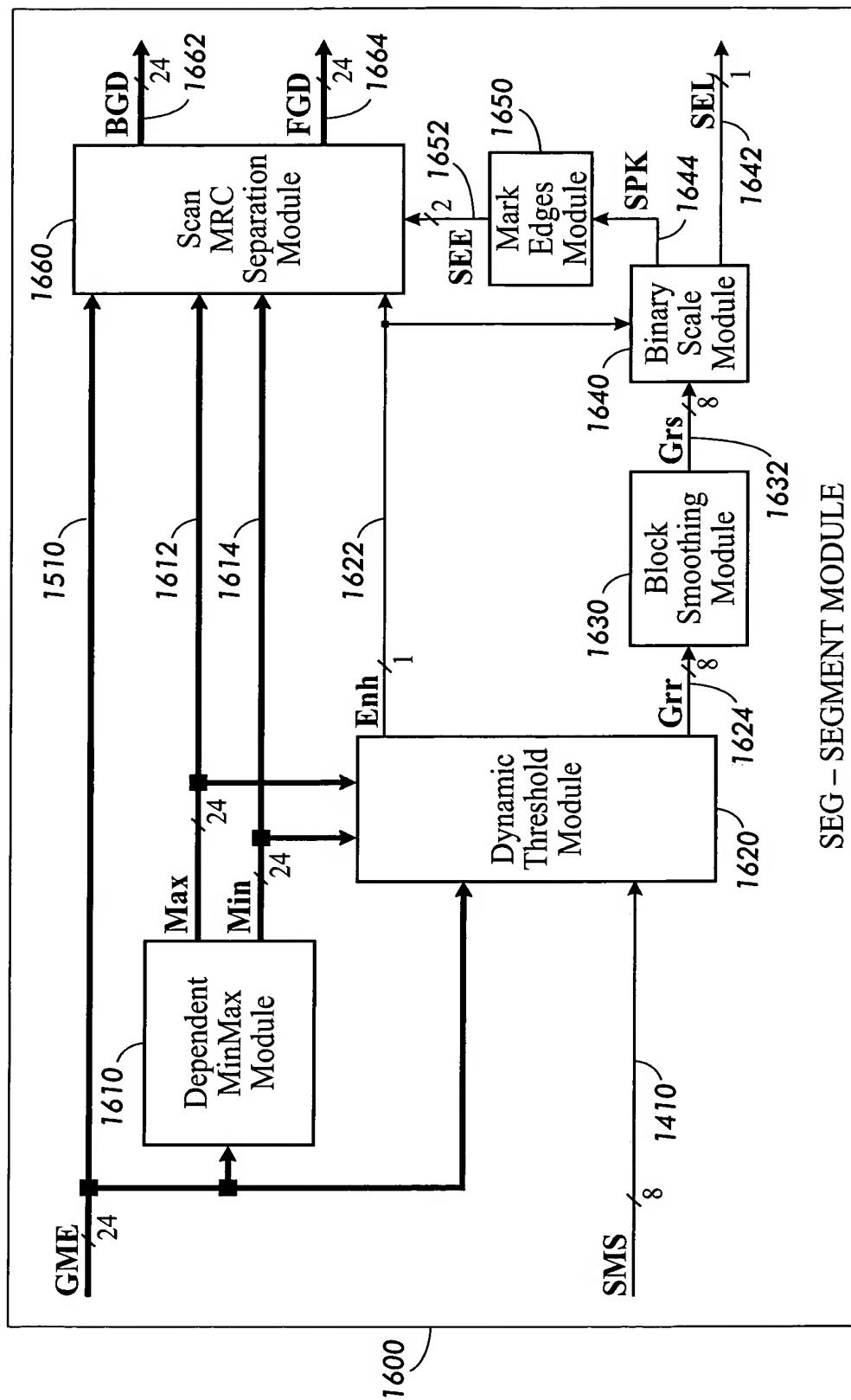


FIG. 4

SEG - SEGMENT MODULE

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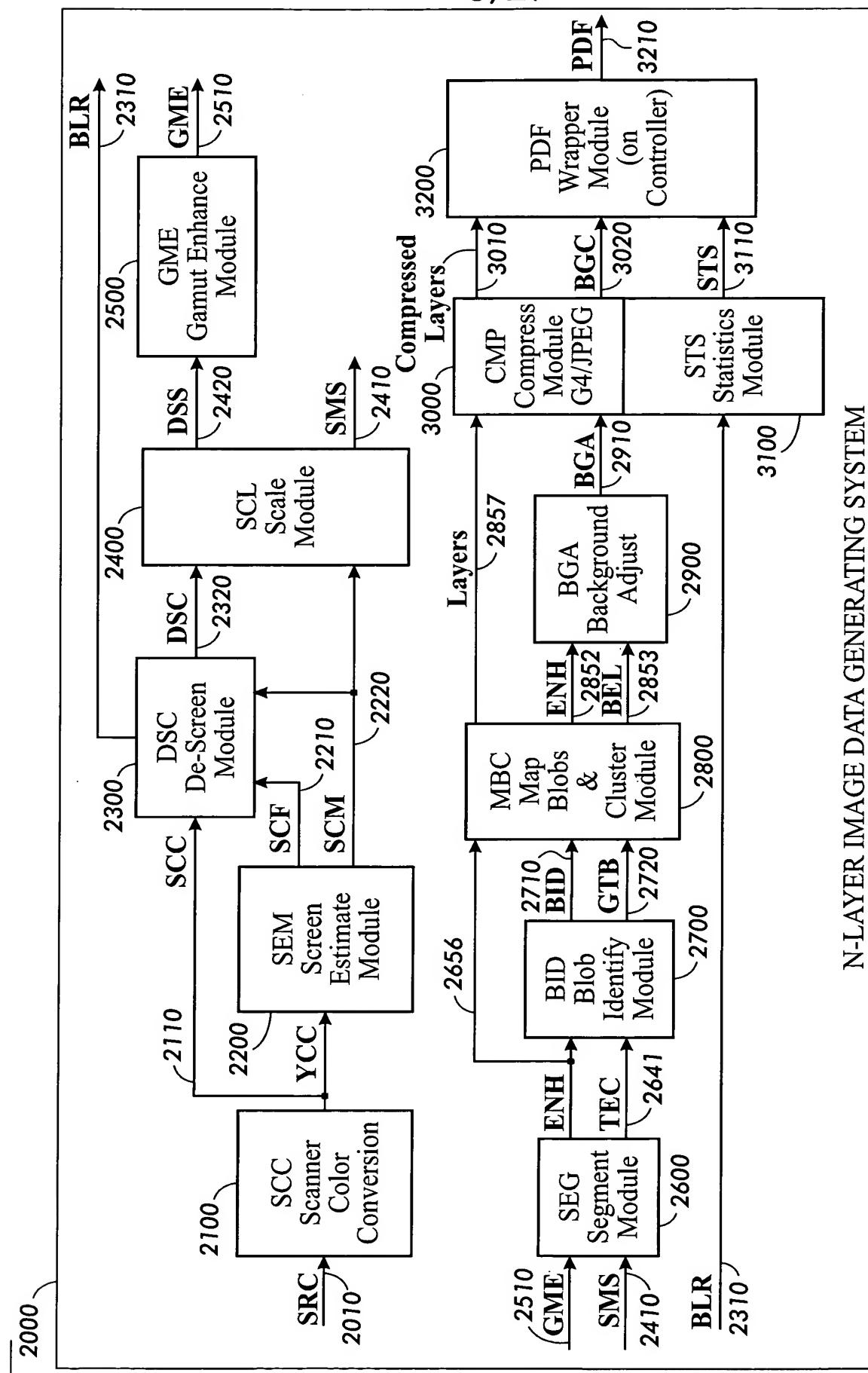


FIG. 5

N-LAYER IMAGE DATA GENERATING SYSTEM

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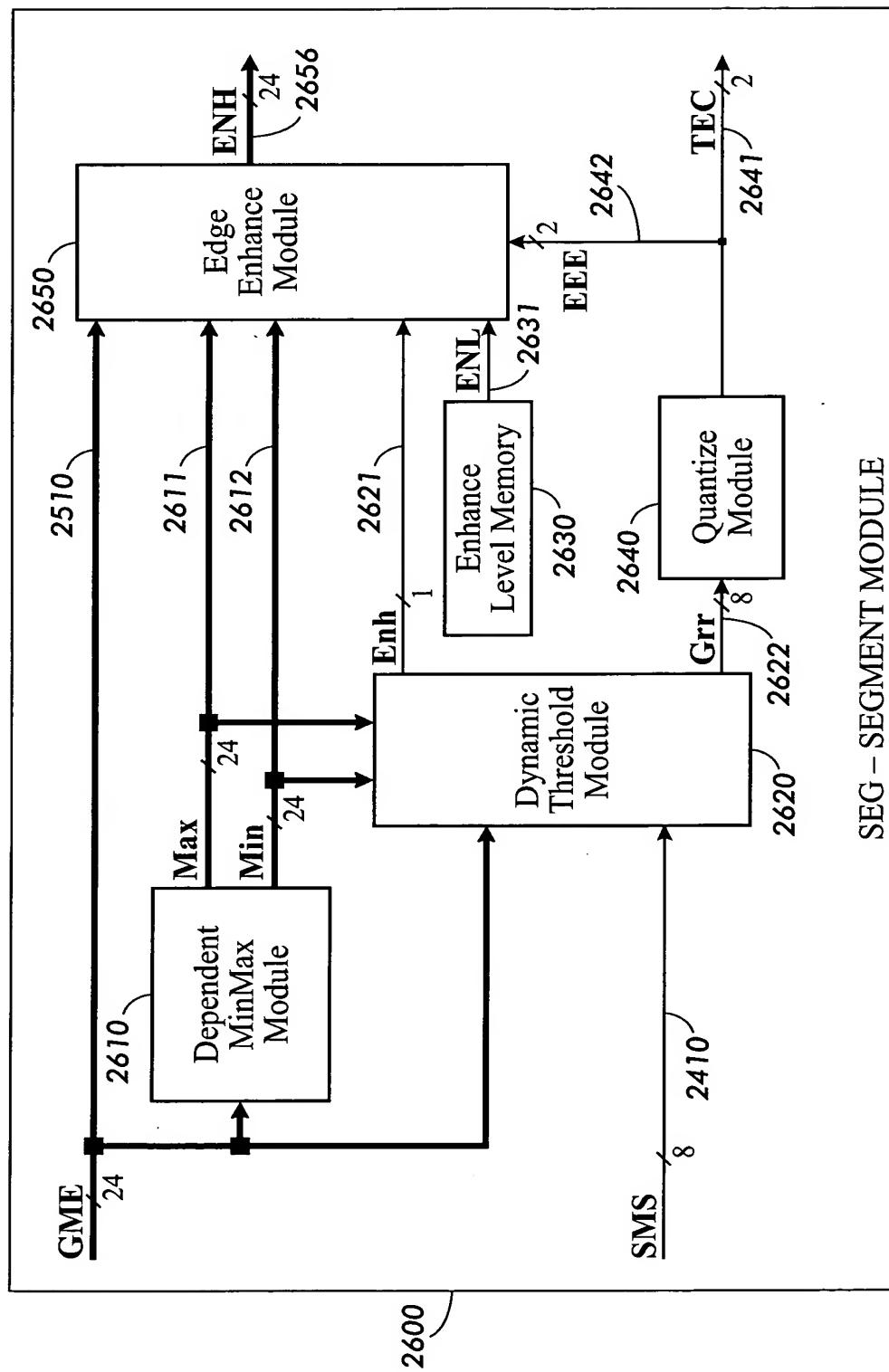


FIG. 6

SEG - SEGMENT MODULE

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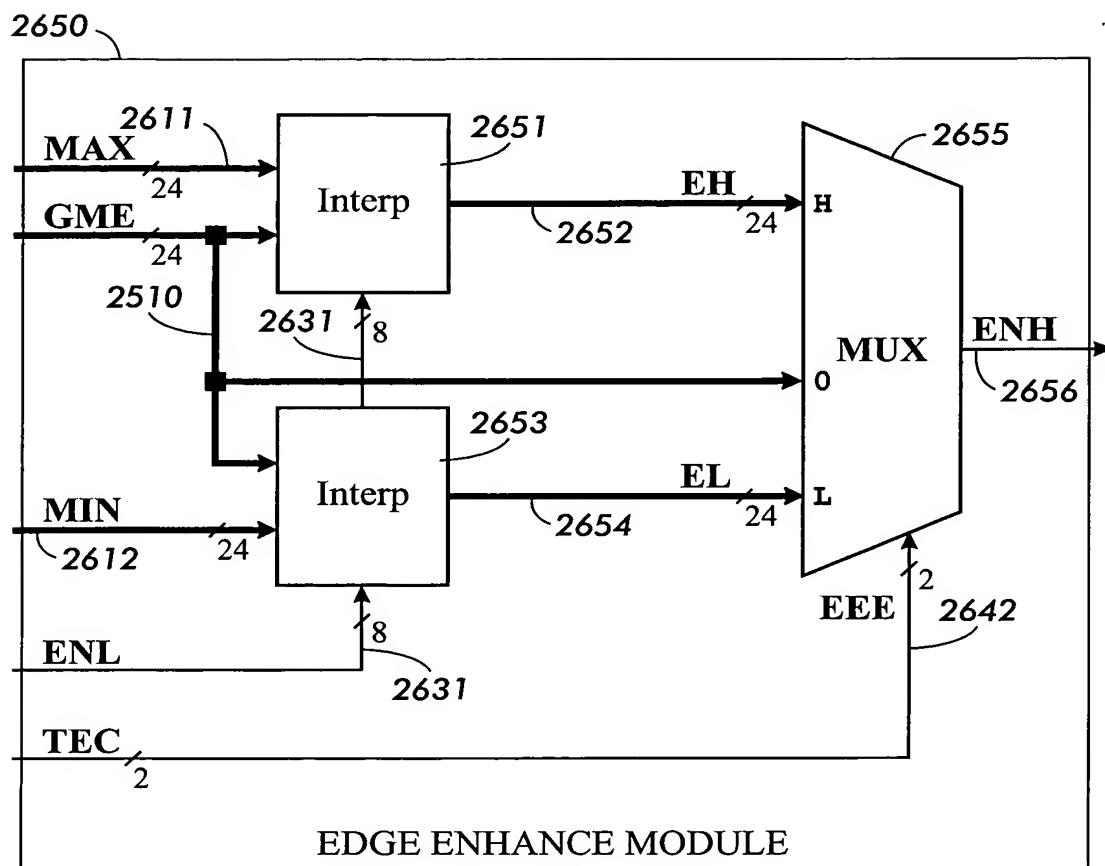


FIG. 7

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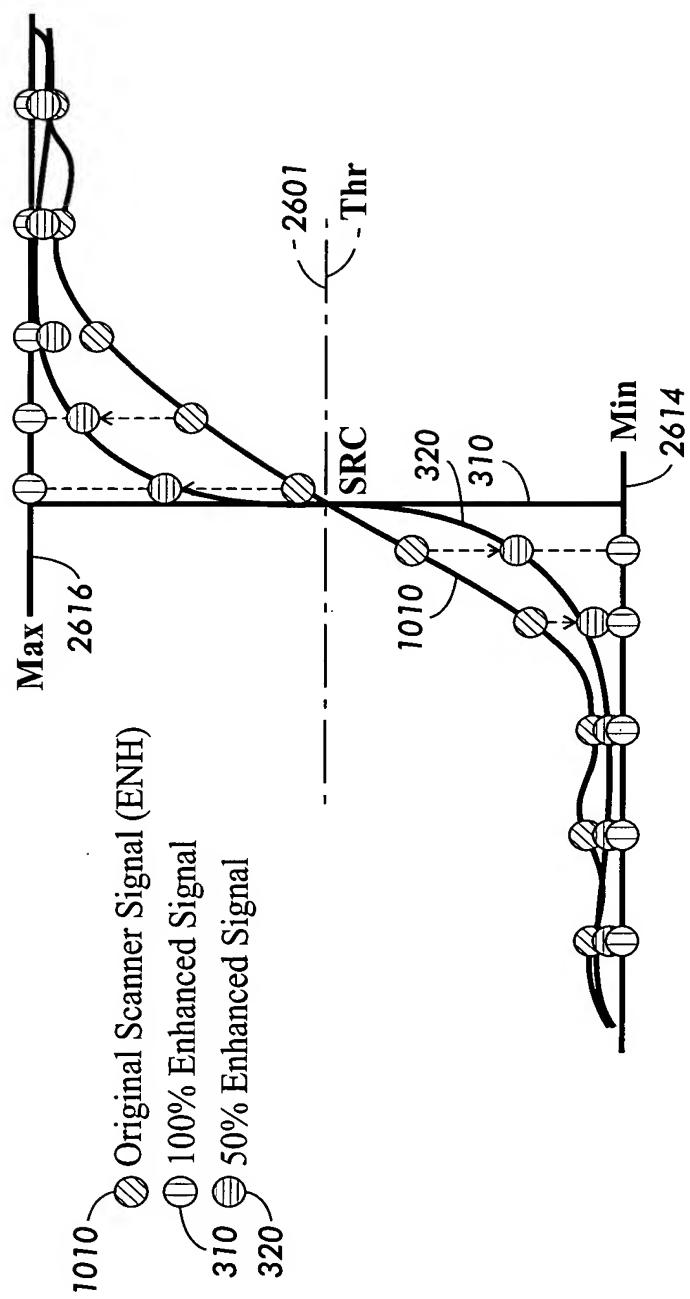


FIG. 8

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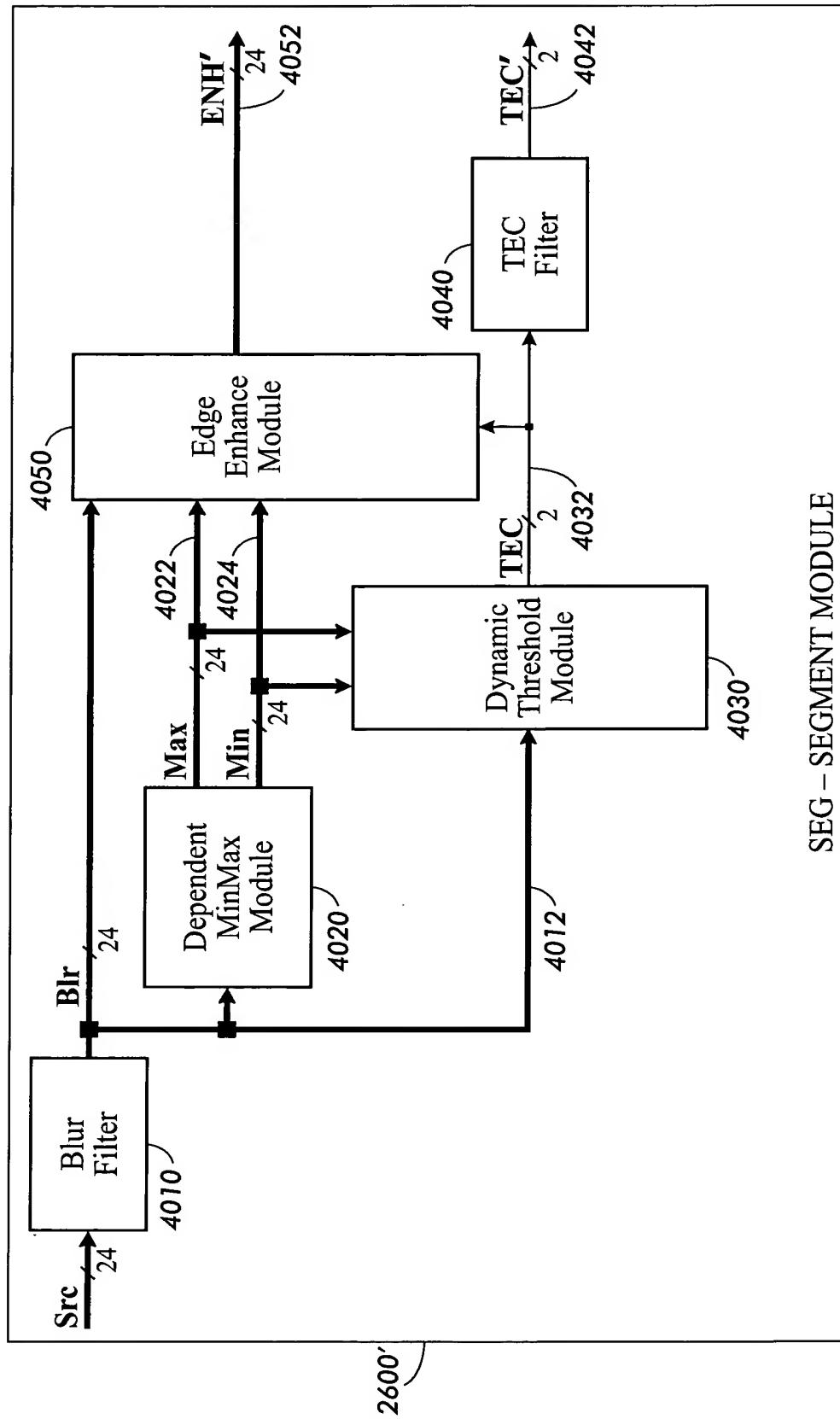


FIG. 9

SEG - SEGMENT MODULE

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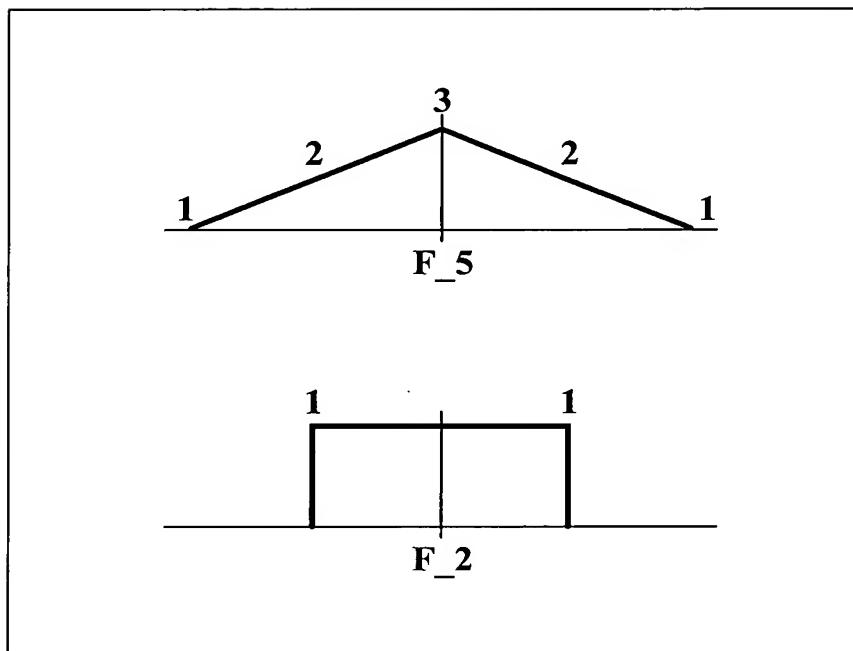


FIG. 10

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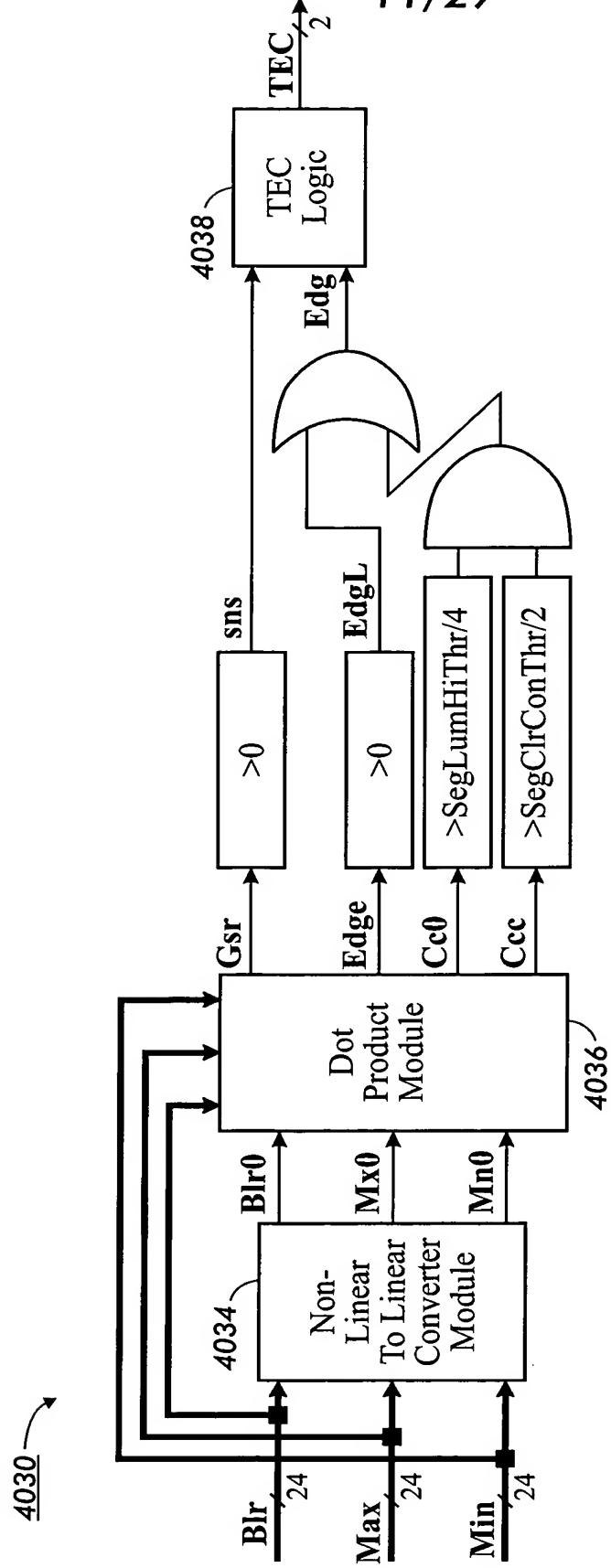


FIG. 11

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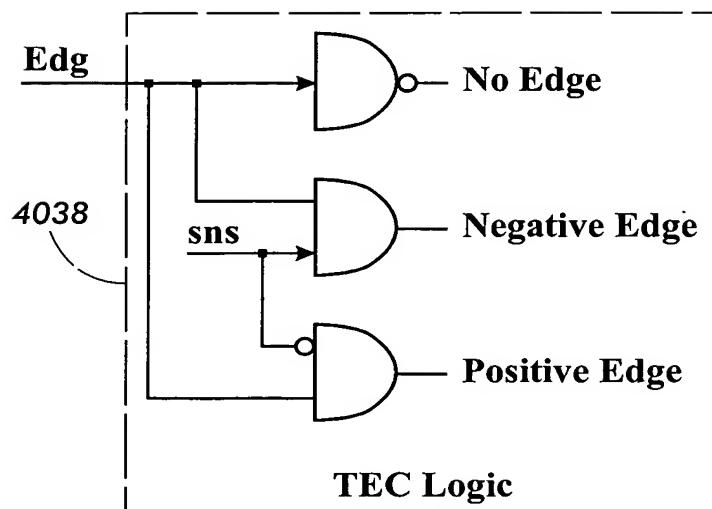
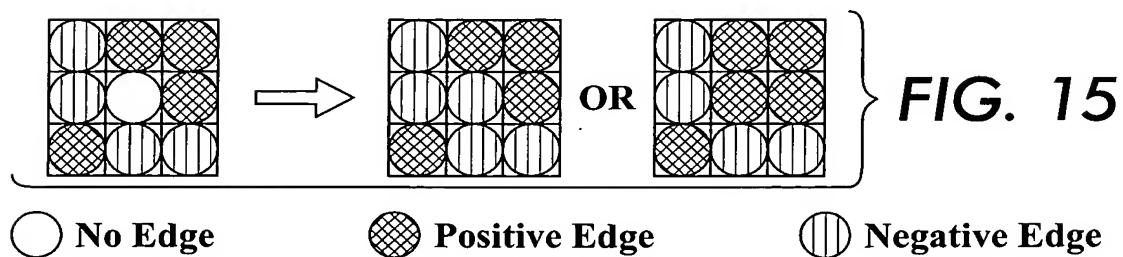
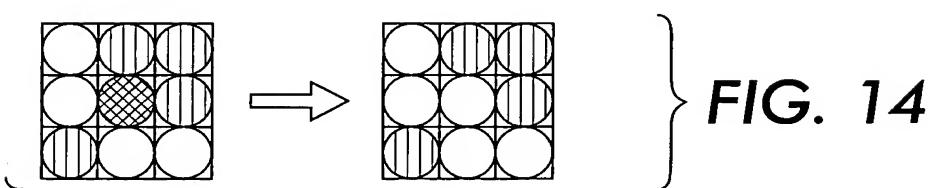
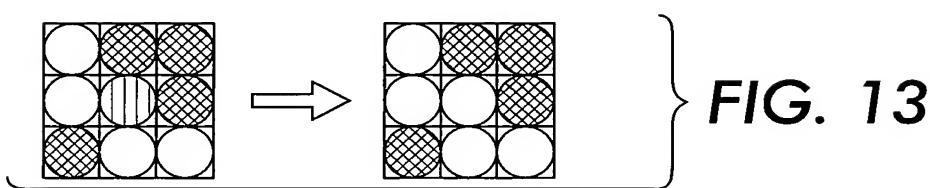


FIG. 12



No Edge

Positive Edge

Negative Edge

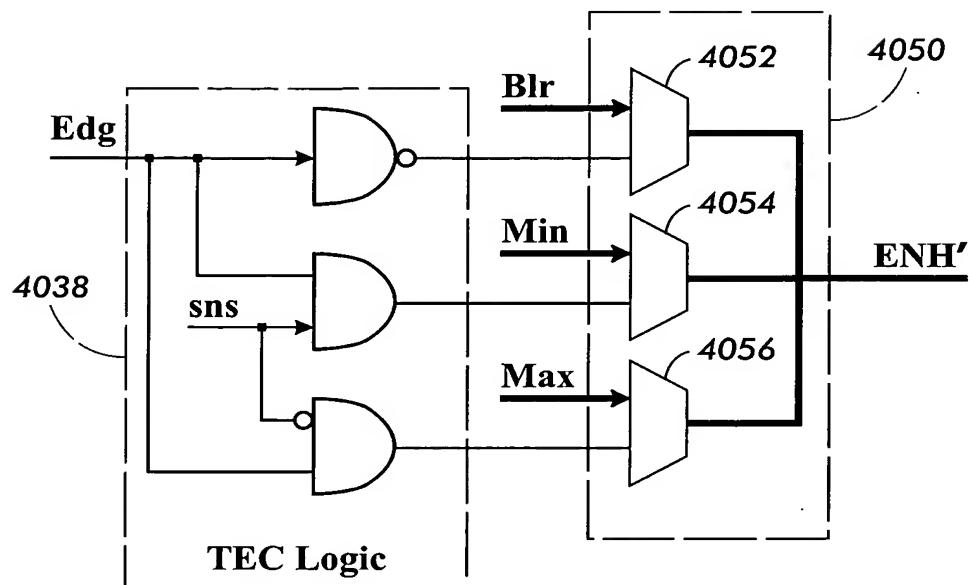
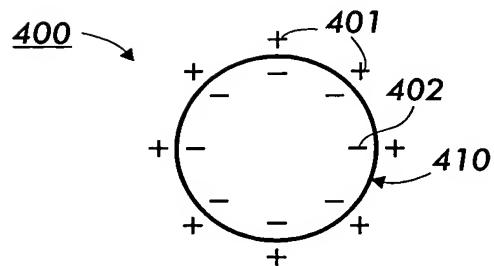
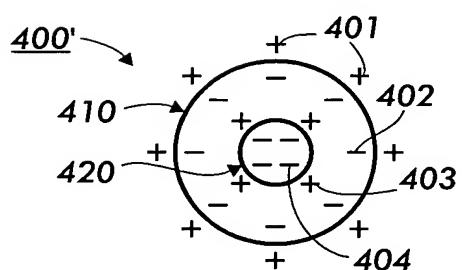
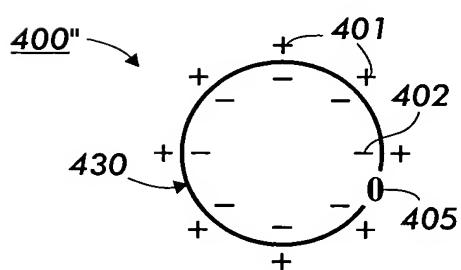
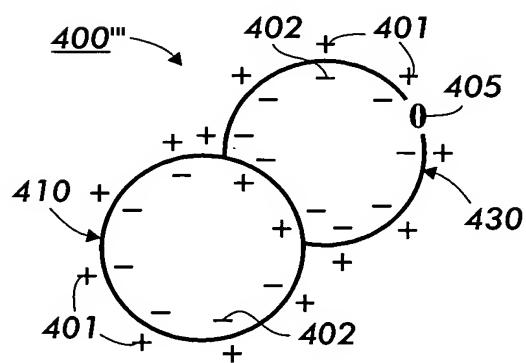


FIG. 16

14/29**FIG. 17****FIG. 18****FIG. 19****FIG. 20**

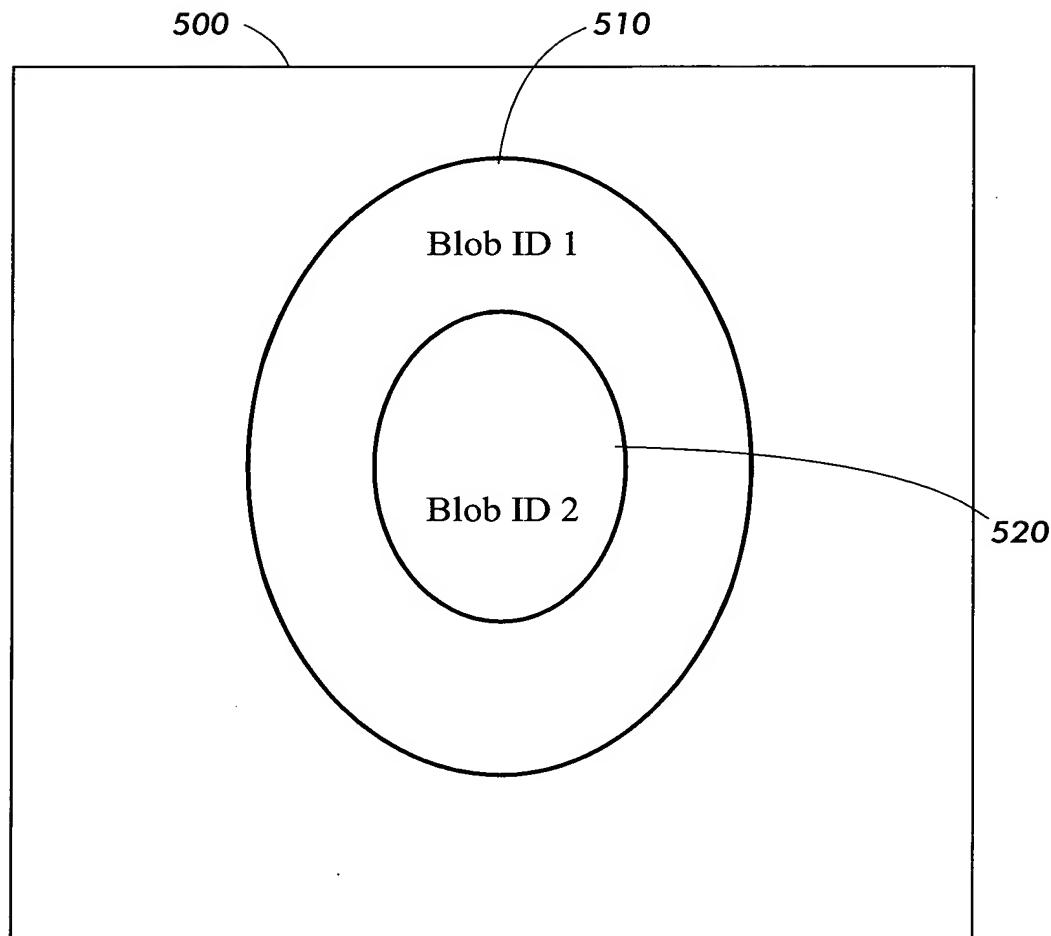
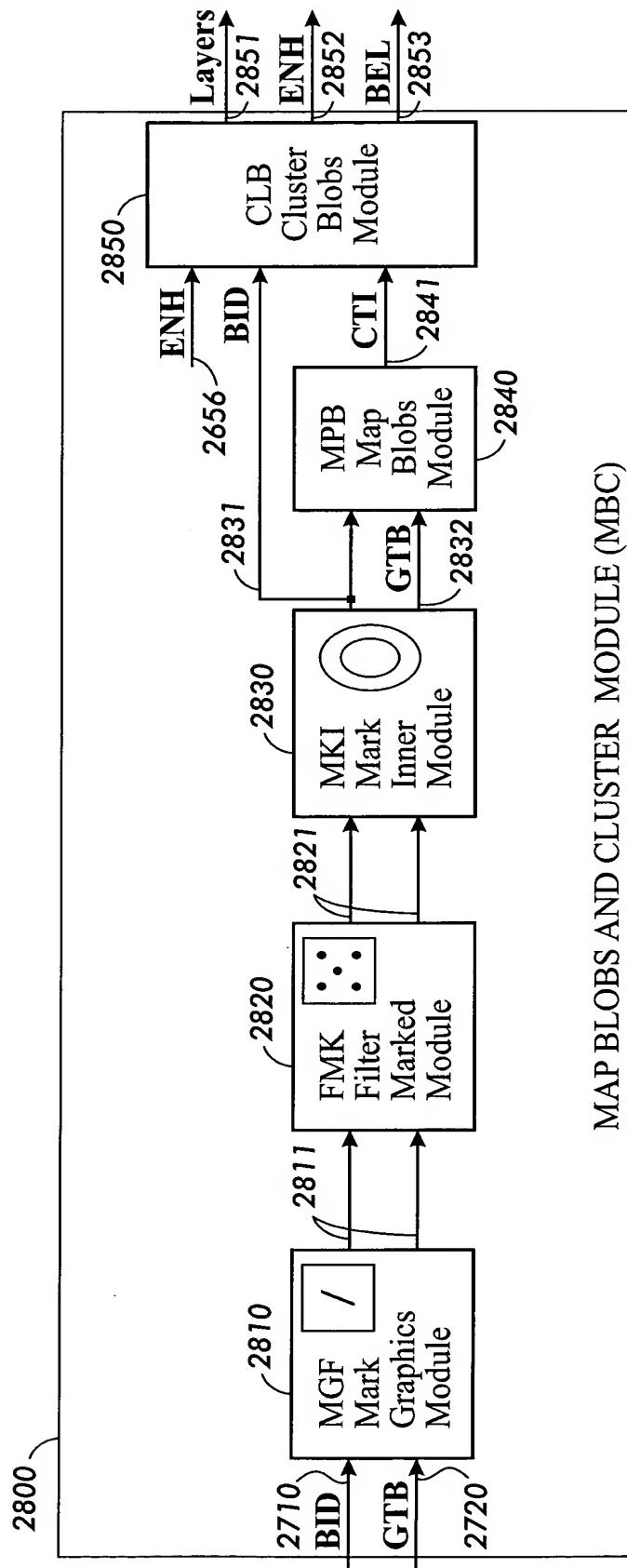


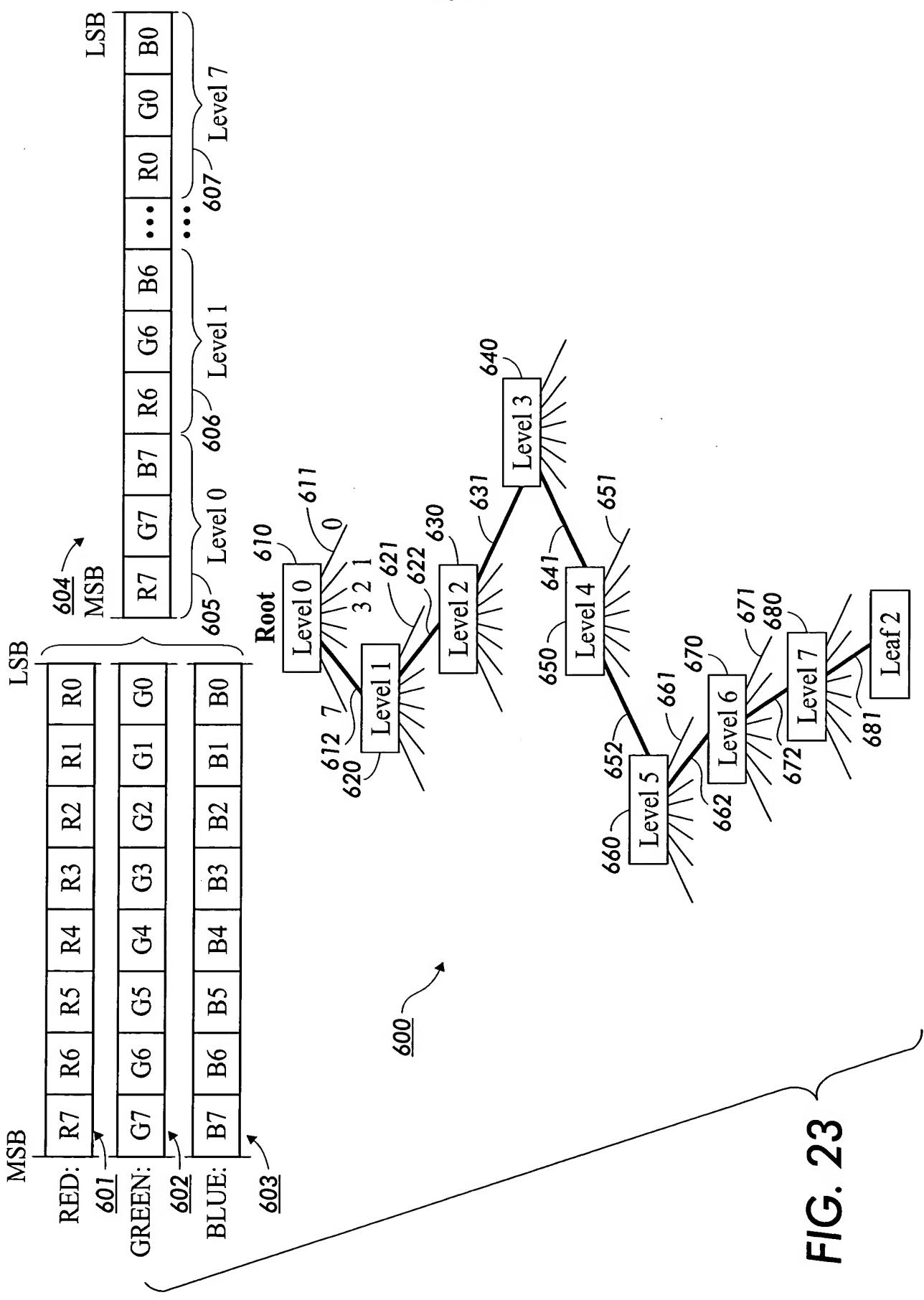
FIG. 21

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MAP BLOBS AND CLUSTER MODULE (MBC)

FIG. 22



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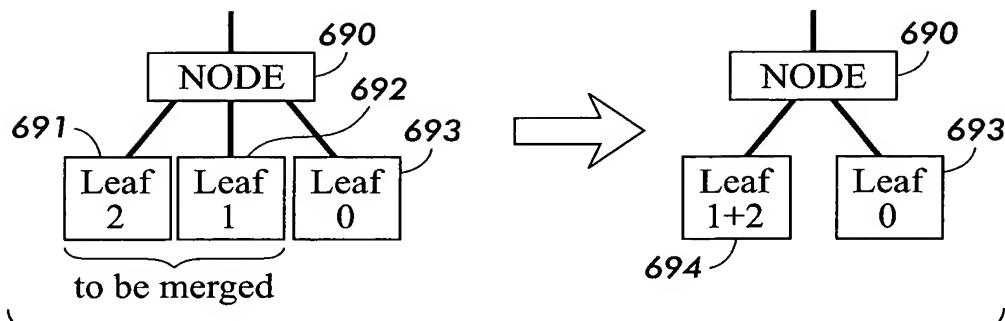


FIG. 24

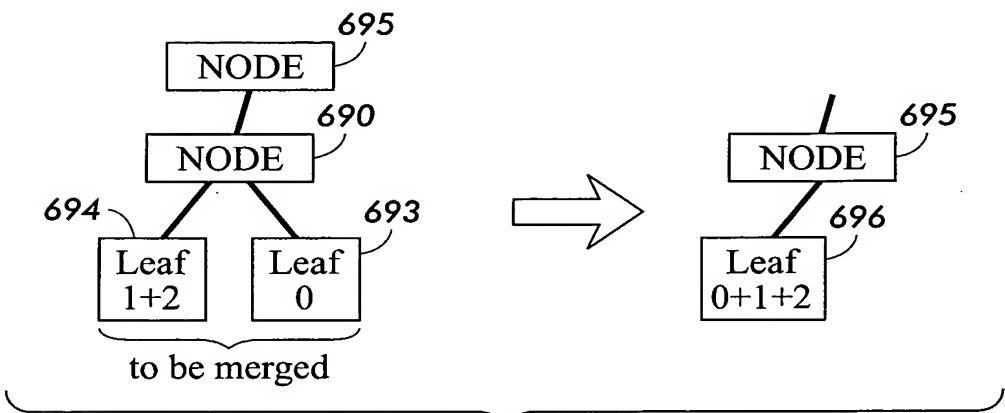


FIG. 25

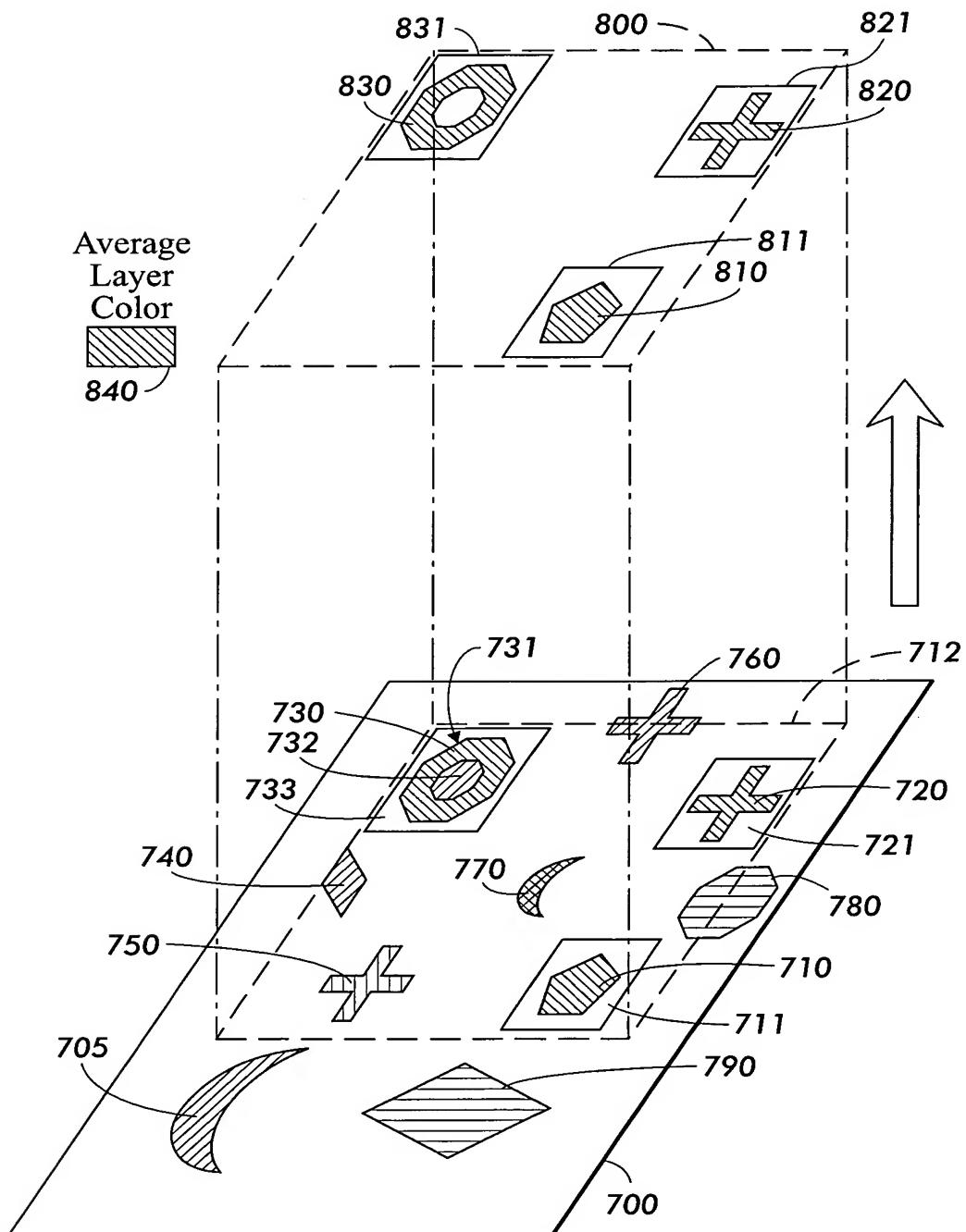


FIG. 26

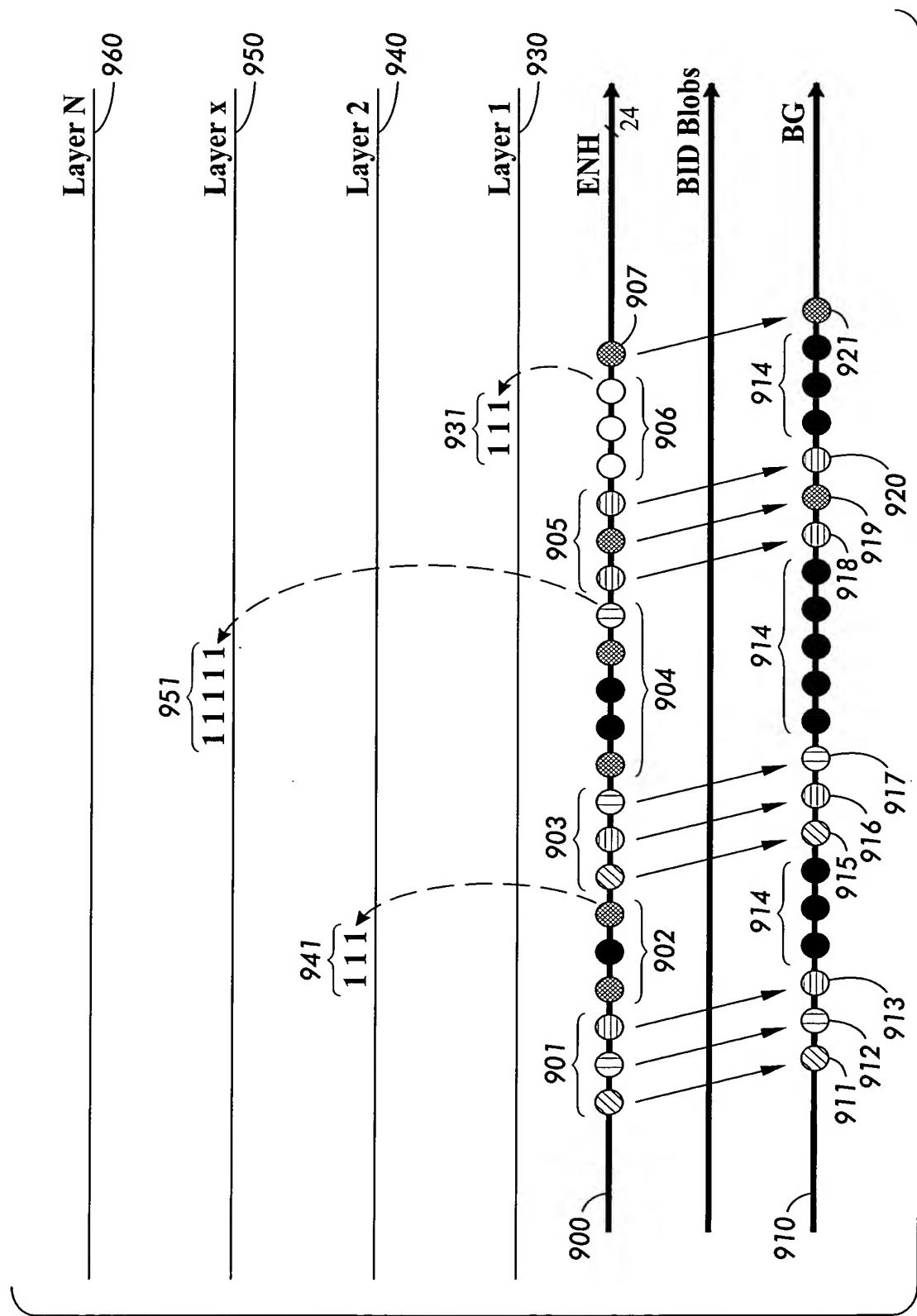


FIG. 27

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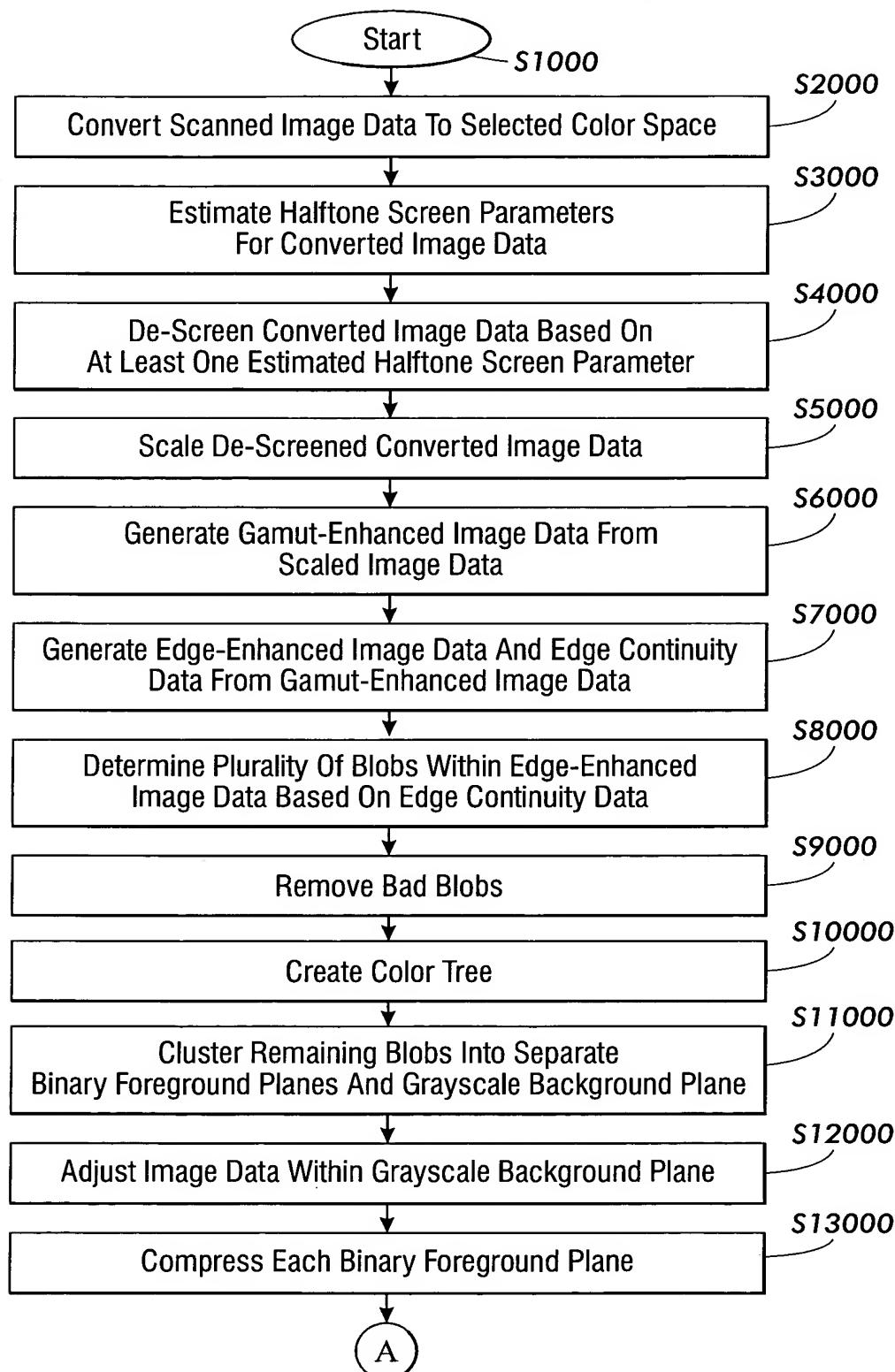
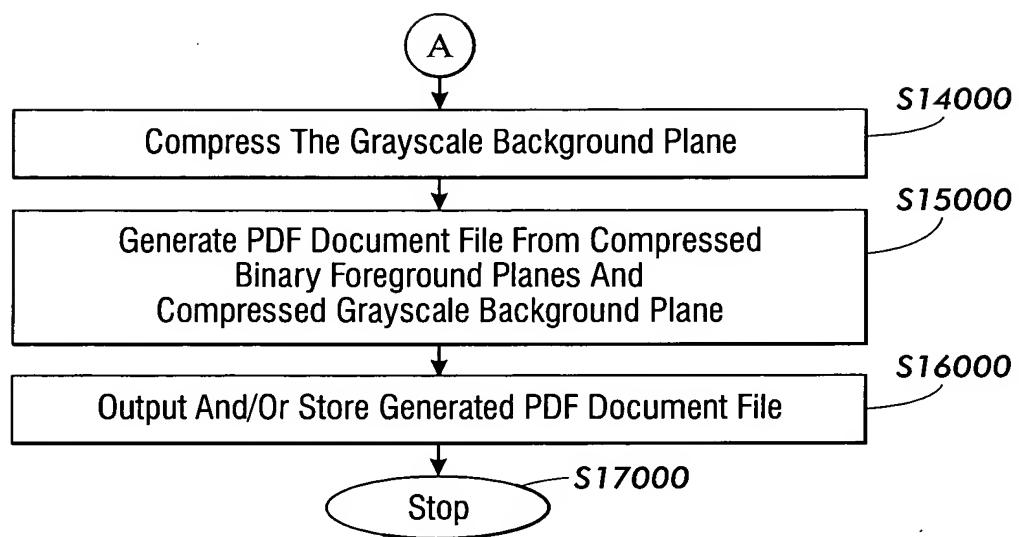


FIG. 28

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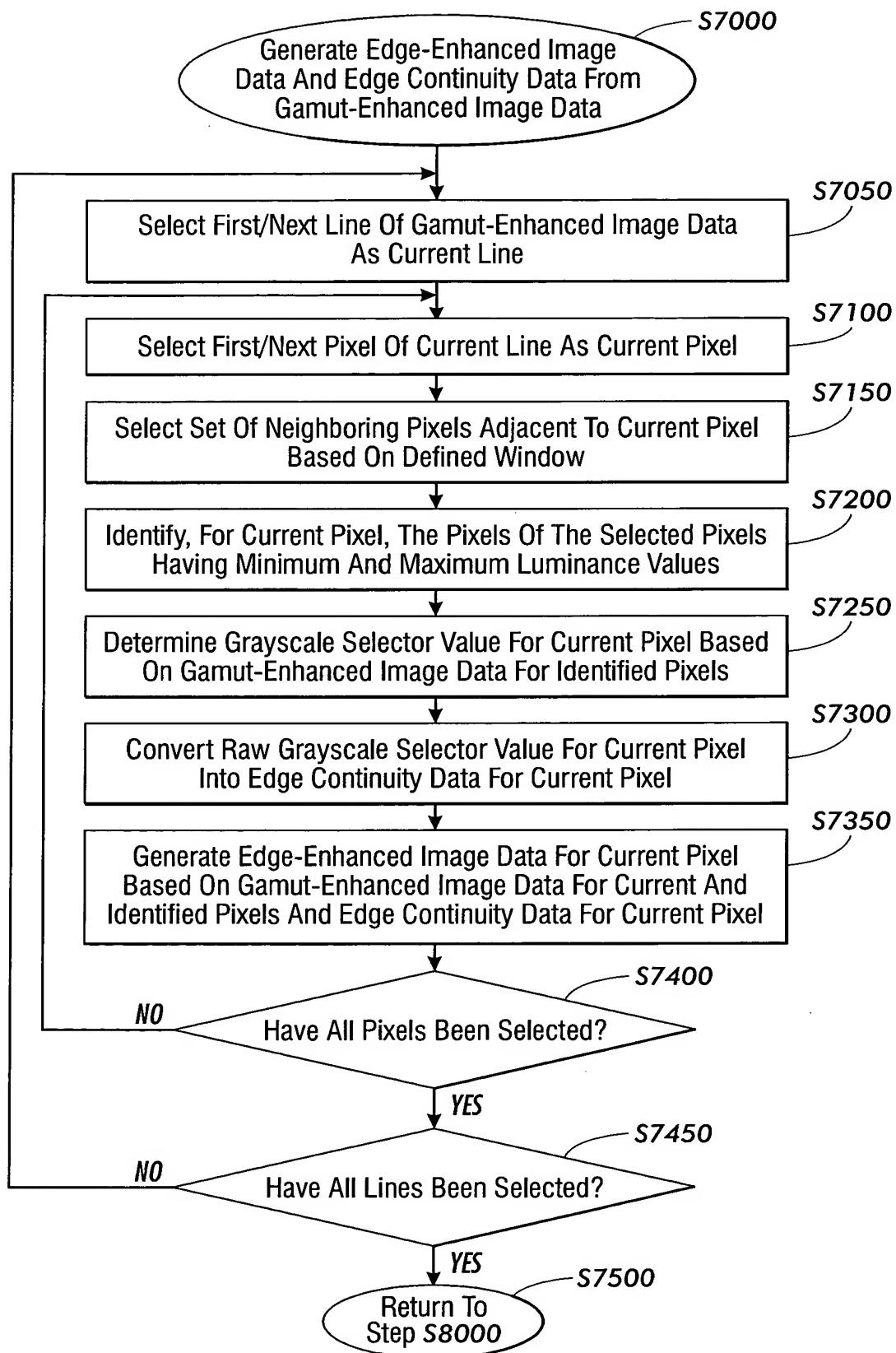


FIG. 30

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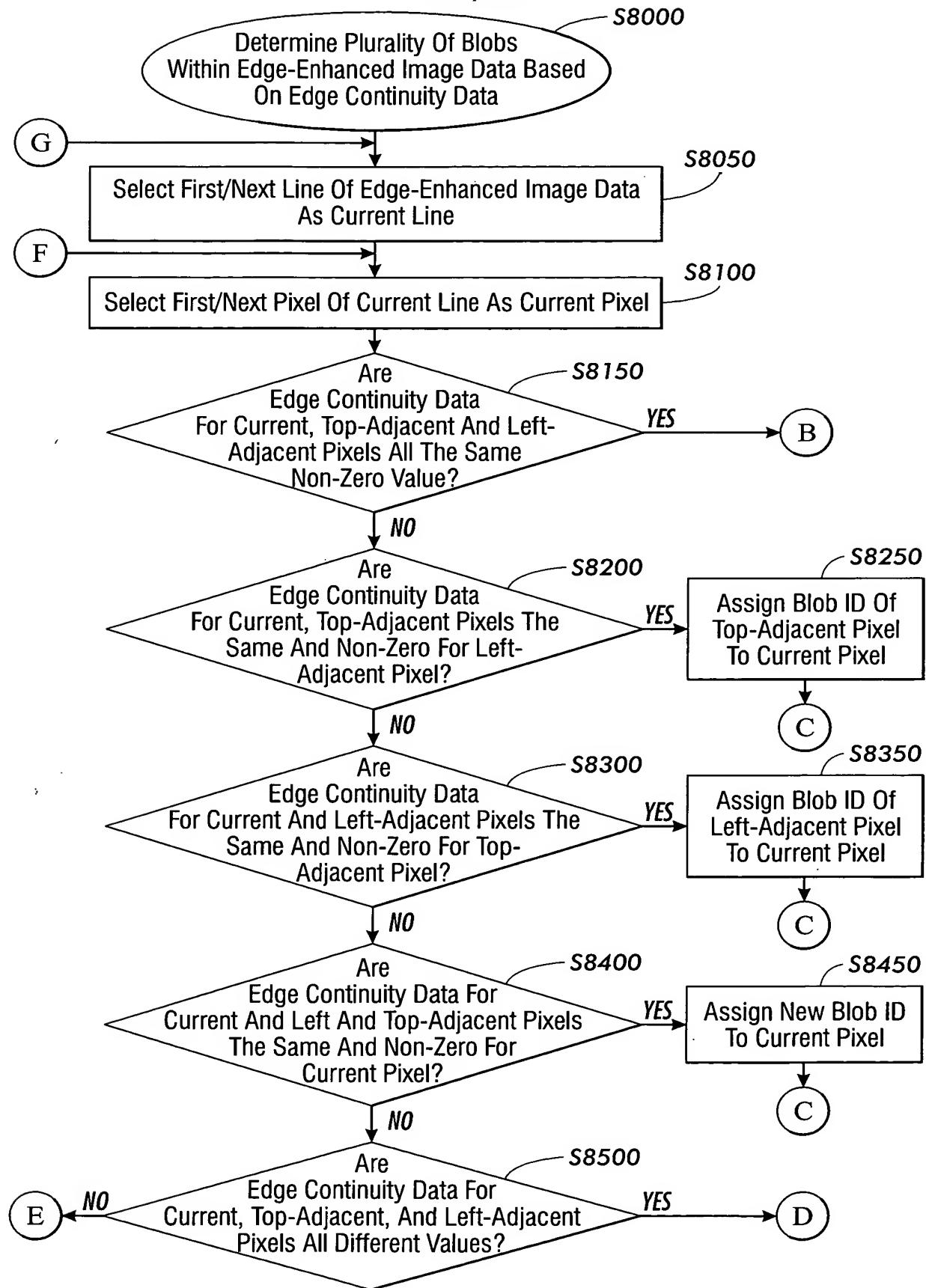


FIG. 31

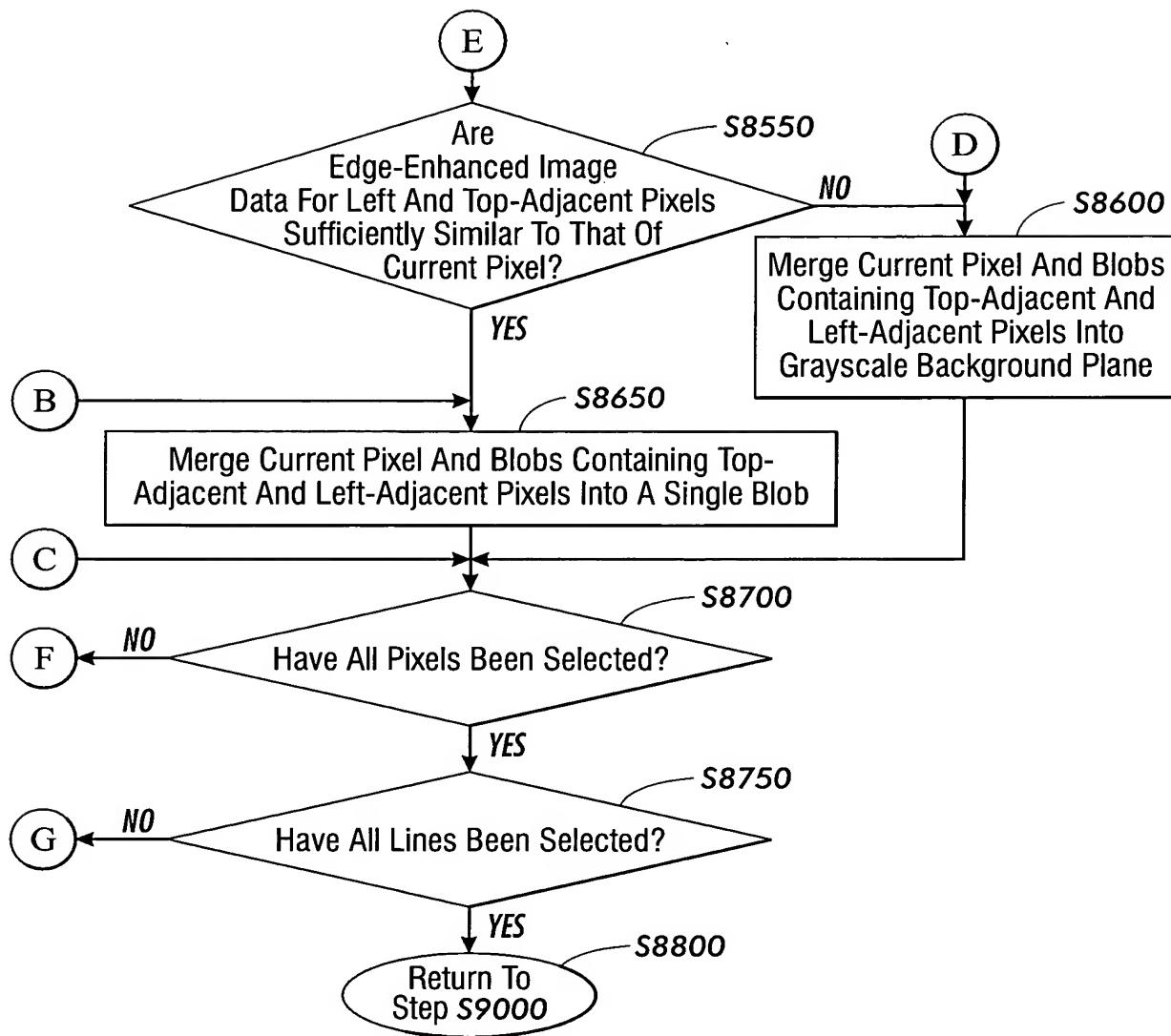
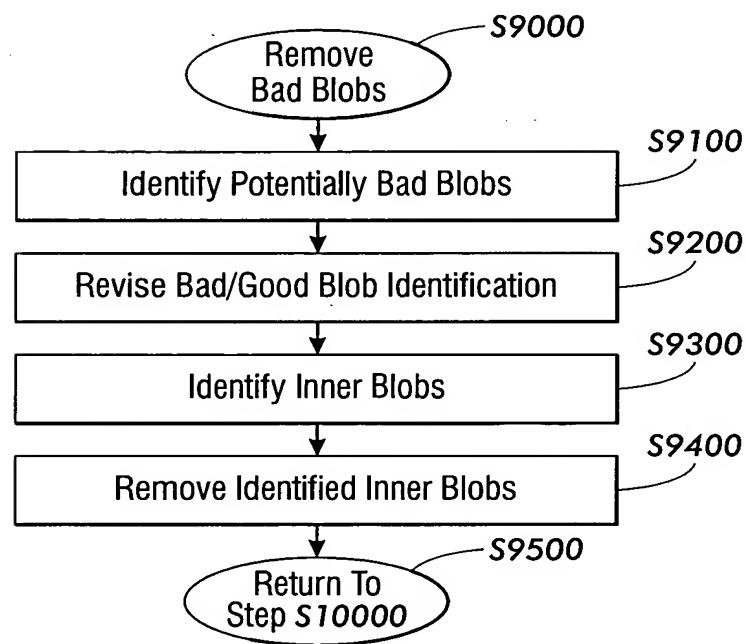


FIG. 32

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**FIG. 33**

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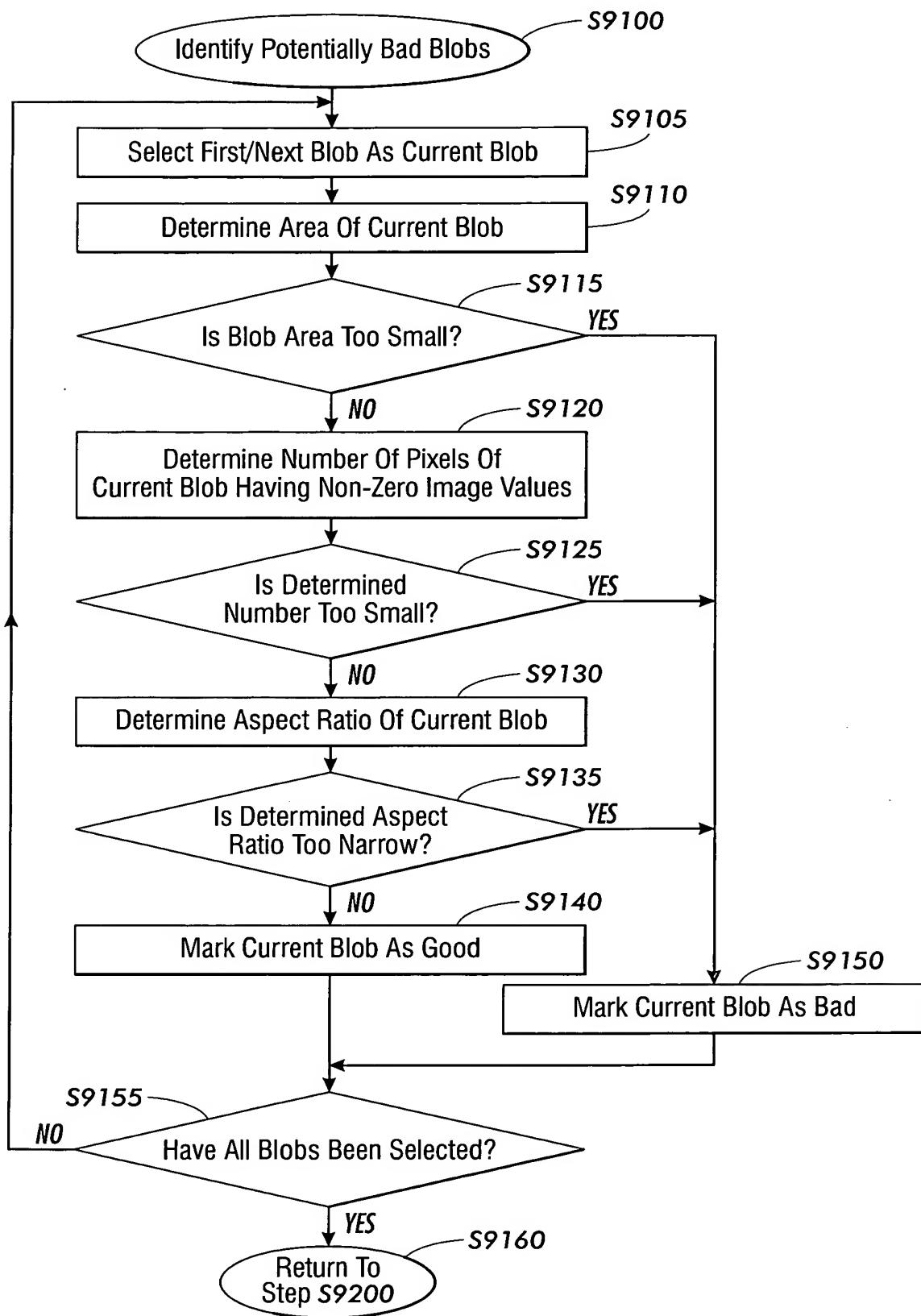


FIG. 34

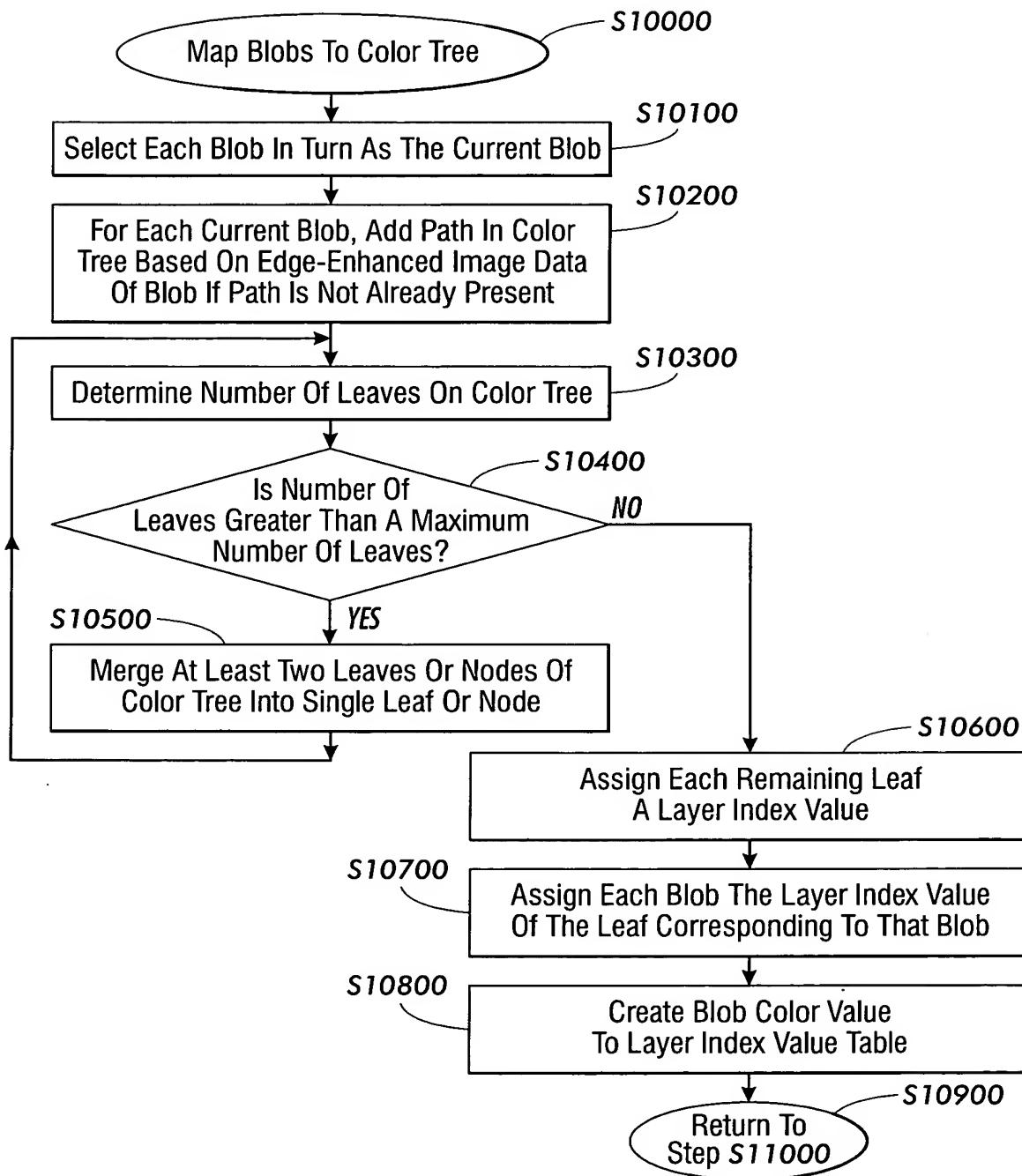


FIG. 35

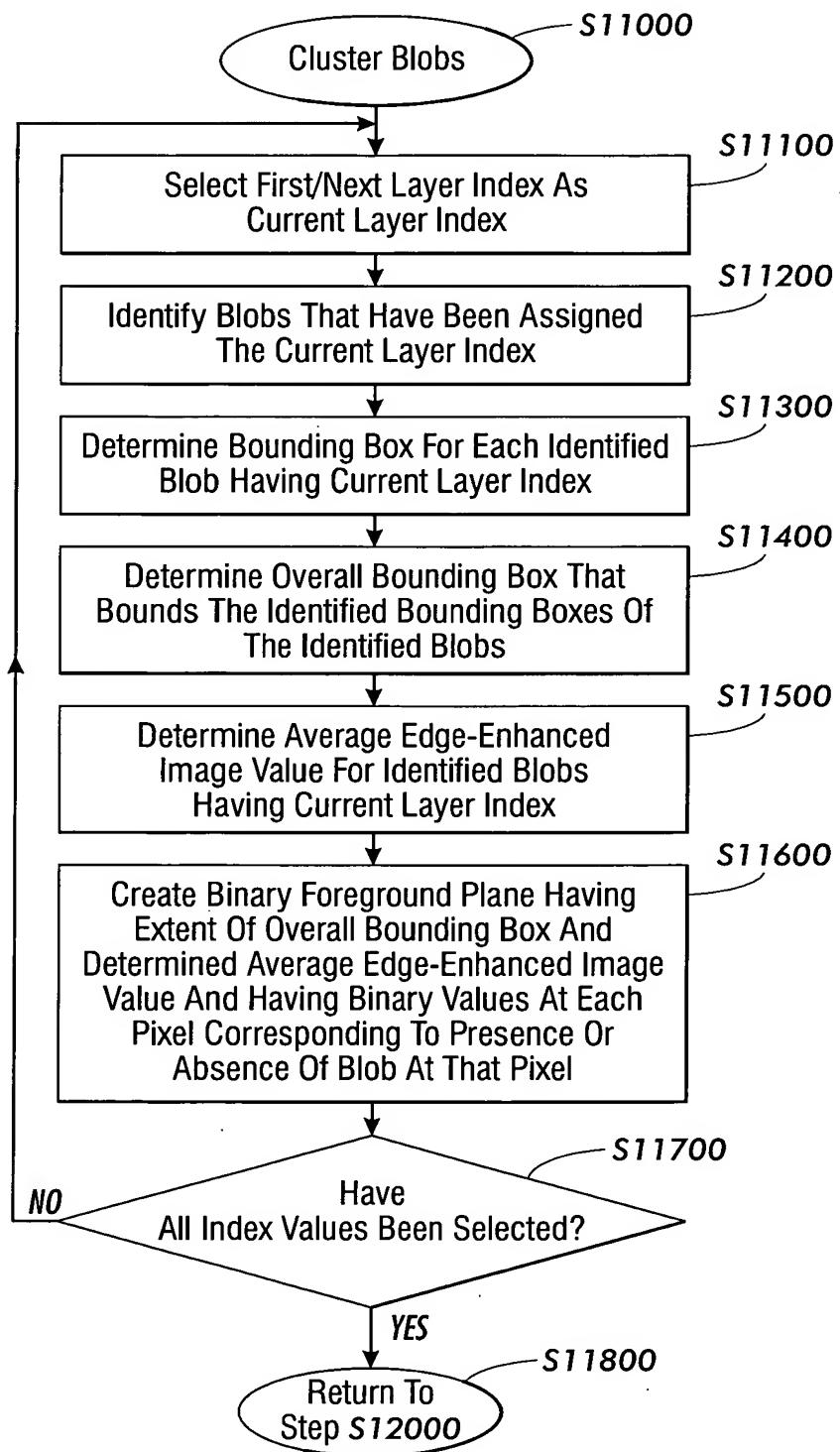


FIG. 36